

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 December 2000 (07.12.2000)

PCT

(10) International Publication Number
WO 00/73746 A1

(51) International Patent Classification⁷: **G01F 23/26**

(74) Agent: **VAN BREDA, Jacques**; Octrooibureau Los en Stigter B.V., Weteringschans 96, NL-1017 XS Amsterdam (NL).

(21) International Application Number: **PCT/NL00/00371**

(22) International Filing Date: **30 May 2000 (30.05.2000)**

(81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(25) Filing Language: **Dutch**

(26) Publication Language: **English**

(30) Priority Data:
1012197 **31 May 1999 (31.05.1999)** **NL**

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **TECHNISCHE UNIVERSITEIT DELFT [NL/NL]**; Julianalaan 134, NL-2628 BL Delft (NL).

(72) Inventors; and

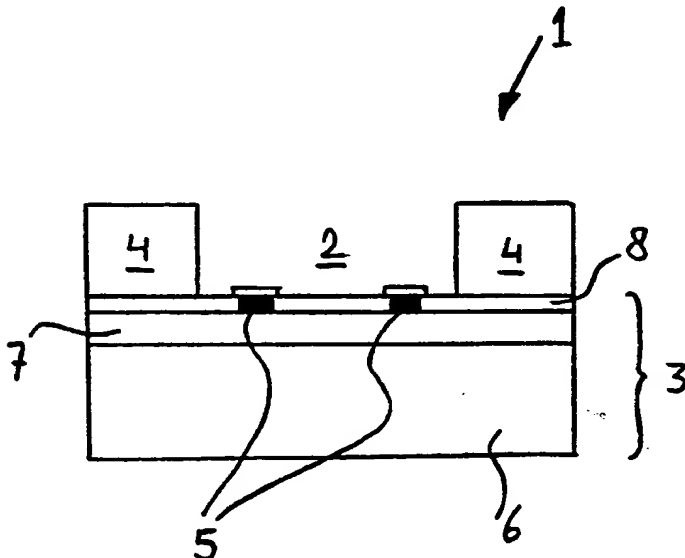
(75) Inventors/Applicants (*for US only*): **VELLEKOOP, Michael, Johannes [NL/NL]**; Dorpsstraat 1d, NL-2211 GA Noordwijkerhout (NL). **HJELT, Kari, Tapani [FI/FI]**; Riistavuorenkuja 8 B 32, FIN-03200 Helsinki (FI). **LUBKING, Gerrit, Wijnand [NL/NL]**; Holierhoek 52, NL-2636 EK Schipluiden (NL).

Published:

— *With international search report.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **APPARATUS FOR MEASURING A SMALL QUANTITY OF A LIQUID**



(57) Abstract: An apparatus for measuring a small quantity of a liquid, for example, in connection with a medical diagnostic test, comprising at least one chamber for receiving the liquid, which chamber comprises a bottom and upright side walls and at least two electrodes to connect to a voltage source and a measuring system for determining the electrical impedance between the electrodes. The electrodes are substantially incorporated in the bottom of the chamber, allowing the electrical impedance of the liquid itself to be determined.

WO 00/73746 A1